

Art Unit: 2800

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1. (Currently Amended) A method for manufacturing a semiconductor device, comprising the steps of:

forming a metal film, an insulating film, and a first amorphous semiconductor film in sequence over a first substrate;

crystallizing the first amorphous semiconductor film to form a crystallized semiconductor film;

forming a first semiconductor element by using the crystallized semiconductor film as ~~[[an]]~~ a first active region;

attaching a support to the first semiconductor element;

causing separation between the metal film and the insulating film;

forming a second amorphous semiconductor film over the first semiconductor element after attaching a second substrate to the ~~separated~~ insulating film and separating the support; and

forming a second semiconductor element using the second amorphous semiconductor film as ~~[[an]]~~ a second active region.

2. (Currently Amended) A method for manufacturing a semiconductor device, comprising the steps of:

forming a metal film, an insulating film, and a first amorphous semiconductor film in sequence over a first substrate;

crystallizing the first amorphous semiconductor film to form a crystallized semiconductor film;

forming a first semiconductor element by using the crystallized semiconductor

film as **[[an]] a first active region;**

forming a second amorphous semiconductor film;

forming a second semiconductor element using the second amorphous semiconductor film as **[[an]] a second active region;**

attaching a support to the first semiconductor element and the second semiconductor element; and

causing separation between the metal film and the insulating film.

3. (Currently Amended) A method for manufacturing a semiconductor device, comprising the steps of:

forming a metal film, an insulating film, and a first amorphous semiconductor film in sequence over a first substrate;

crystallizing the first amorphous semiconductor film to form a crystallized semiconductor film;

forming a first semiconductor element by using the crystallized semiconductor film as **[[an]] a first active region;**

forming a second amorphous semiconductor film;

forming a second semiconductor element using the second amorphous semiconductor film as **[[an]] a second active region;**

attaching a support to the first semiconductor element and the second semiconductor element;

causing separation between the metal film and the insulating film; and

separating the support after attaching a second substrate to the separated insulating film.

4. (Currently Amended) A method for manufacturing a semiconductor device, comprising the steps of:

forming a metal film, an insulating film, and a first amorphous semiconductor film

Art Unit: 2800

in sequence over a first substrate;

crystallizing the first amorphous semiconductor film to form a crystallized semiconductor film;

forming a first semiconductor element by using the crystallized semiconductor film as **[[an]] a first** active region;

attaching a support to the first semiconductor element by using an adhesive;

causing separation between the metal film and the insulating film;

forming a second amorphous semiconductor film over the first semiconductor element after attaching a second substrate to the ~~separated~~ insulating film by using an adhesive bond and separating the support by removing the adhesive; and

forming a second semiconductor element using the second amorphous semiconductor film as **[[an]] a second** active region.

5. (Currently Amended) A method for manufacturing a semiconductor device, comprising the steps of:

forming a metal film, an insulating film, and a first amorphous semiconductor film in sequence over a first substrate;

crystallizing the first amorphous semiconductor film to form a crystallized semiconductor film;

forming a first semiconductor element by using the crystallized semiconductor film as **[[an]] a first** active region;

forming a second amorphous semiconductor film;

forming a second semiconductor element using the second amorphous semiconductor film as **[[an]] a second** active region;

attaching a support to the first semiconductor element and the second semiconductor element by using an adhesive; and

causing separation between the metal film and the insulating film.

6. (Currently Amended) A method for manufacturing a semiconductor device, comprising the steps of:

forming a metal film, an insulating film, and a first amorphous semiconductor film in sequence over a first substrate;

crystallizing the first amorphous semiconductor film to form a crystallized semiconductor film;

forming a first semiconductor element by using the crystallized semiconductor film as an a first active region;

forming a second amorphous semiconductor film;

forming a second semiconductor element using the second amorphous semiconductor film as an a second active region;

attaching a support to the first semiconductor element and the second semiconductor element by using an adhesive;

causing separation between the metal film and the insulating film; and

separating the support by removing the adhesive after attaching a second substrate to the separated insulating film by using an adhesive bond.

7. The method for manufacturing the semiconductor device according to any one of Claims 1 to 6, wherein metal oxide is formed between the metal film and the insulating film.

8. The method for manufacturing the semiconductor device according to Claim 7, wherein the separation between the metal film and the insulating film occurs between the metal film and the metal oxide film, within the metal oxide film, or between the metal oxide film and the insulating film.

9. The method for manufacturing the semiconductor device according to any one of Claims 1 to 6, wherein the first amorphous semiconductor film and the second amorphous semiconductor film include hydrogen.

10. The method for manufacturing the semiconductor device according to any one of Claims 1 to 6, wherein the first semiconductor element is a thin film transistor.

11. The method for manufacturing the semiconductor device according to any one of Claims 1 to 6, wherein the second semiconductor element is a diode or a thin film transistor.

12. The method for manufacturing the semiconductor device according to any one of Claims 1 to 6, wherein the crystallization is performed by heat treatment at such a temperature that hydrogen in the first amorphous semiconductor film is released or diffused.

Art Unit: 2800

13. (Currently Amended) The method for manufacturing the semiconductor device according to any one of Claims 1 to 6, wherein the metal film ~~is a single layer made of an element~~ comprises at least one selected from the group consisting of W, Ti, Ta, Mo, Cr, Nd, Fe, Ni, Co, Zr, Zn, Ru, Rh, Pd, Os, and Ir, ~~an alloy material or a compound material having the element as its main component, or a laminate of the metal or a mixture.~~

14. The method for manufacturing the semiconductor device according to any one of Claims 1 to 6, wherein the insulating film is a silicon oxide film, a silicon oxynitride film, or a metal oxide film.

15. The method for manufacturing the semiconductor device according to any one of Claims 1 to 6, wherein the second substrate is a plastic substrate or an organic resin member.

16. The method for manufacturing the semiconductor device according to any one of Claims 1 to 6, wherein the semiconductor device includes an optical sensor, a photoelectric conversion element, or a solar battery.

Art Unit: 2800

17. (Currently Amended) A semiconductor device comprising a first semiconductor element using a crystalline semiconductor film as **[[an]] a first** active region and a second semiconductor element using an amorphous semiconductor film as **[[an]] a second** active region over an adhesive.

18. (Currently Amended) A semiconductor device comprising a first semiconductor element using a crystalline semiconductor film as **[[an]] a first** active region and a second semiconductor element using an amorphous semiconductor film as **[[an]] a second** active region over a plastic substrate.

19. (Currently Amended) A semiconductor device comprising a first semiconductor element using a crystalline semiconductor film as **[[an]] a first** active region and a second semiconductor element using an amorphous semiconductor film as **[[an]] a second** active region over an adhesive,

wherein the first semiconductor element and the second semiconductor element are electrically connected to each other.

20. (Currently Amended) A semiconductor device comprising a first semiconductor element using a crystalline semiconductor film as **[[an]] a first** active region and a second semiconductor element using an amorphous semiconductor film as **[[an]] a second** active region over a plastic substrate,

wherein the first semiconductor element and the second semiconductor element are electrically connected to each other.

Art Unit: 2800

21. The semiconductor device according to Claim 17 or 19, wherein the adhesive is provided with exfoliate paper.

22. The semiconductor device according to any one of Claims 17 to 20, wherein the first semiconductor element is a thin film transistor.

23. The semiconductor device according to any one of Claims 17 to 20, wherein the second semiconductor element is a diode or a thin film transistor.

24. The semiconductor device according to any one of Claims 17 to 20, wherein the semiconductor device includes an optical sensor, a photoelectric conversion element, or a solar battery.